

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1 to 63. (Cancelled).

64. (Currently Amended) A terminal for use with a mobile phone, comprising:

a transmitter stage;

a receiver stage;

a switch-over and adapter stage electrically connected to an antenna and configured to enable the transmitter stage and the receiver stage to communicate via the antenna;

passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage;

microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being ~~actuated~~ actuatable to configure the passive structural elements to produce at least one functional parameter, the at least one functional parameter comprising a frequency characteristic; and

a control unit that is programmable over a wireless interface to actuate the microswitches or microrelays ~~and~~ to set a value of the at least one functional parameter;

wherein passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage are integrated on a common substrate.

65. (Previously Presented) The terminal of claim 64, wherein the transmitter stage, the receiver stage, or the switch-over and adapter stage comprises a plurality of micromotors, the plurality of micromotors for mechanically configuring passive structural elements in response to at least one control signal from the control unit.

66. (Currently Amended) The terminal of claim 64, further comprising:

~~wherein the control unit comprises~~ at least one on/off switch for the transmitter stage and the receiver stage;[[,]]

wherein the control unit is programmed to transmit a switch-off signal ~~is transmitted~~ to the at least one on/off switch, the switch-off signal for deactivating the transmitter stage and/or the receiver stage;[[,]] and

wherein the control unit is programmed to transmit the switch-off signal ~~is transmitted~~ before an ~~actuation signal is transmitted to~~ the microswitches or the microrelays are actuated.

67. (Currently Amended) The terminal of claim 66, ~~wherein the control unit comprises a sensing unit connected to the at least one on/off switch,~~ wherein the control unit is programmed to transmit a switch-on signal ~~is transmitted~~ to the at least one on/off switch, the switch-on signal for activating the transmitter stage and the receiver stage;[[,]] and

wherein the control unit is programmed to transmit the switch-on signal ~~is transmitted~~ after termination of a program, the program being ~~used to determine~~ for determining a configuration of the microswitches or microrelays to set the at least one functional parameter.

68. (Currently Amended) The terminal of claim 64, wherein ~~at least one of the microswitches or microrelays are integrated with passive structural elements on a~~ the common substrate ~~with~~ has a high dielectric constant.

69. (Currently Amended) The terminal of claim 65, wherein the ~~micromotors are integrated with passive structural elements on a~~ common substrate ~~with~~ has a high dielectric constant.

70. (Currently Amended) The terminal of claim 64, wherein the control unit comprises: topology memory for storing a topology of the ~~passive structural elements, the topology corresponding to~~ the microswitches or the microrelays;

algorithm memory for storing code to ~~perform a calculation, the calculation for calculating~~ determine the value of the at least one functional parameter; and

a calculation stage to~~[[:]]~~ determine a microswitch arrangement or a microrelay arrangement based on the value and the topology.

71. (Previously Presented) The terminal of claim 70, wherein the topology memory is configured to store a position and a topology that corresponds to actuator stages of a micromotor.

72. (Previously Presented) The terminal of claim 70, wherein the calculation stage is configured to calculate an actuation signal for a micromotor, the actuation signal being usable to obtain the value of the at least one functional parameter.

73. (Currently Amended) The terminal of claim 64, wherein the control unit comprises:  
configuration memory for storing a plurality of switching matrices, each switching matrix ~~being assigned~~ corresponding to a value associated with the at least one functional parameter;  
and

a pointer stage to associate ~~the configuration memory with the set~~ value of the at least one functional parameter with a corresponding switching matrix, the control unit being programmed to actuate the microswitches or microrelays in accordance with the corresponding switching matrix.

74. (Previously Presented) The terminal of claim 73, wherein the configuration memory is configured to store a combined switch setting and a motor actuation configuration for an arrangement of the passive structural elements.

75 to 79. (Cancelled)

80. (New) The terminal of claim 64, wherein the passive structural elements comprise capacitors.

81. (New) The terminal of claim 64, wherein the passive structural elements form a resonator.

82. (New) The terminal of claim 64, wherein the switch-over and adapter stage comprises a duplexer.

83. (New) The terminal of claim 64, further comprising:  
memory to store topologies of the passive structural elements;  
wherein the control unit is programmed to actuate the microswitches or microrelays in accordance with at least one of the topologies.

84. (New) A terminal for use with a mobile phone, comprising:  
a duplexer configured to enable signal transmission and reception via a common antenna,  
the duplexer comprising passive structural elements and microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being actuable to configure the passive structural elements to affect a frequency characteristic associated with at least one of signal transmission and reception; and

a control unit that is programmable to actuate the microswitches or microrelays to thereby affect a configuration of the passive structural elements and set a value corresponding to the frequency characteristic;

wherein the duplexer is integrated on a common ceramic substrate along with other components of the mobile phone.

85. (New) The terminal of claim 64, wherein the other components of the mobile phone comprise a transmitter stage for transmitting signals via the common antenna and a receiver stage for receiving signals via the common antenna.

86. (New) The terminal of claim 85, wherein the control unit is programmed to deactivate the transmitter stage and/or the receiver stage before actuation of the microswitches or the microrelays.

87. (New) The terminal of claim 86, wherein the control unit is programmed to activate the transmitter stage and/or the receiver stage after actuation of the microswitches or microrelays to set the frequency characteristic.

88. (New) The terminal of claim 84, wherein at the common substrate has a high dielectric constant.

89. (New) The terminal of claim 84, wherein the control unit comprises:  
  
topology memory for storing a topology of the microswitches or the microrelays;  
  
algorithm memory for storing code to perform a calculation for obtaining the value of the  
frequency characteristic; and  
  
a calculation stage to determine a microswitch arrangement or a microrelay arrangement  
based on the value and the topology.

90. (New) The terminal of claim 84, wherein the control unit comprises:  
  
configuration memory for storing a plurality of switching matrices, each switching matrix  
corresponding to a value associated with the frequency characteristic; and  
  
a pointer stage to associate the set value of the frequency characteristic with a  
corresponding switching matrix, the control unit being programmed to actuate the microswitches  
or microrelays in accordance with the corresponding switching matrix.

91. (New) The terminal of claim 84, wherein the passive structural elements comprise  
capacitors.

92. (New) The terminal of claim 84, wherein the passive structural elements form a  
resonator.

93. (New) The terminal of claim 84, further comprising:

memory to store topologies of the passive structural elements;  
wherein the control unit is programmed to actuate the microswitches or microrelays in accordance with at least one of the topologies.

94. (New) A terminal for use with a mobile phone, comprising:  
a transmitter stage;  
a receiver stage;  
a switch-over and adapter stage;  
passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage;  
microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being actuatable to configure the passive structural elements to produce at least one functional parameter, the at least one functional parameter comprising a frequency characteristic; and

a control unit that is programmable over a wireless interface to actuate the microswitches or microrelays and to set a value of the at least one functional parameter.

wherein the control unit comprises:

configuration memory for storing a plurality of switching matrices, each switching matrix being assigned a value associated with the at least one functional parameter; and



a pointer stage to associate the set value of the at least one functional parameter  
with a switching matrix stored in the configuration memory.